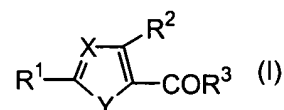


AMENDMENTS TO THE CLAIMS:

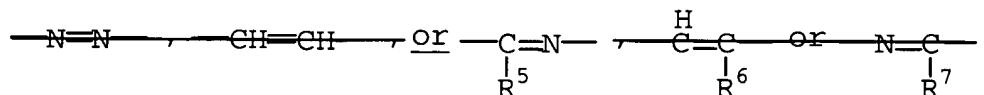
This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A cyclic compound of the formula (I) or a pharmacologically acceptable salt thereof,



wherein X is ~~=CH-~~ or ~~=N-~~,

Y is ~~=NH-~~, ~~=NR⁴-~~, ~~=S-~~, ~~=O-~~, ~~-CH=N-~~, ~~=N=CH-~~,



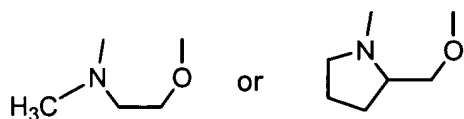
R¹ is a lower alkoxy group which is optionally substituted, an amino group which is optionally substituted, a heterocyclic ring containing N atom(s) which is optionally substituted, a hydroxy group which is optionally substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, or a cyano group,

R² is a lower alkylamino group which is optionally substituted by an aryl group which is optionally substituted, a lower alkoxy group which is optionally substituted by an aryl group which is optionally substituted, a lower alkoxy group substituted by an aromatic heterocyclic ring containing N atom(s) which is optionally substituted, a lower alkylamino group substituted by a heterocyclic ring which is optionally substituted, or an amino group substituted by an aryl group which is optionally substituted,

R³ is an aryl group which is optionally substituted, a heterocyclic ring containing N atom(s) which is optionally substituted, a lower alkyl group which is optionally

substituted, a lower alkoxy group which is optionally substituted, a cyclo lower alkoxy group which is optionally substituted, a hydroxy group substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, or an amino group which is optionally substituted, and

$[[R^4,]R^5, R^6 \text{ or } R^7]$ is an aryl group which is optionally substituted, a heterocyclic ring containing N atom(s) which is optionally substituted, a lower alkoxy group which is optionally substituted, or an amino group which is optionally substituted, ~~and R^4 , or R^5 , R^6 or R^7~~ may combine with R^3 to form a lactone ring represented by the following formula

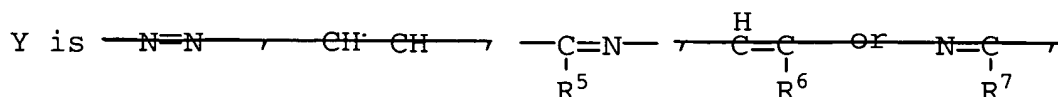


wherein, when ~~X is =N-~~, Y is ~~-CH=N-~~, or ~~N=CH-~~, R^2 is an amino group mono-substituted by a methyl group substituted by an aryl which is optionally substituted, and R^3 is a lower alkyl which is optionally substituted, an amino group mono-substituted by a lower alkyl group substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, an amino group mono-substituted by a heterocyclic ring containing N atom(s) which is optionally substituted or an amino group mono-substituted by a cyclo lower alkyl group which is optionally substituted, R^1 is a lower alkoxy group which is optionally substituted, an amino group which is optionally substituted, a hydroxy group which is optionally substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, or a cyano group.

2-3. (Cancelled)

4. (Currently Amended) The compound claimed in claim 1, wherein

~~X is -N-~~,



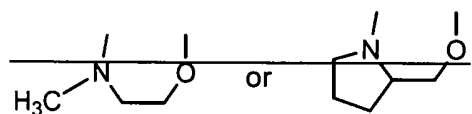
~~R¹ is a lower alkoxy group which is optionally substituted, an amino group which is optionally substituted, a heterocyclic ring containing N atom(s) which is optionally substituted, a hydroxy group which is optionally substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, or cyano group,~~

~~---R² is a lower alkylamino group which is optionally substituted by an aryl group which is optionally substituted, a lower alkoxy group which is optionally substituted by an aryl group which is optionally substituted, a lower alkoxy group substituted by an aromatic heterocyclic ring containing N atom(s) which is optionally substituted, a lower alkylamino group substituted by a heterocyclic ring which is optionally substituted, or an amino group substituted by an aryl group which is optionally substituted,~~

~~---R³ is an aryl group which is optionally substituted, a heterocyclic ring containing N atom(s) which is optionally substituted, a lower alkyl group which is optionally substituted, a lower alkoxy group which is optionally substituted, a cyclo lower alkoxy group which is optionally substituted, a hydroxy group substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, an amino group which is optionally substituted, or~~

~~---R⁵, R⁶ or R⁷ is an aryl group which is optionally substituted, a heterocyclic ring containing N atom(s) which is optionally substituted, a lower alkoxy group which is optionally substituted, or an amino group which is optionally substituted, and R⁵, R⁶ or~~

~~R⁷ optionally combines with R³ to form a lactone ring represented by the following formula,~~



5. (Currently Amended) The compound claimed in claim 1, wherein

X is ~~=N-~~,

Y is ~~-CH=N-~~ or ~~N=CH-~~,

~~R¹ is a lower alkoxy group which is optionally substituted, an amino group which is optionally substituted, a heterocyclic ring containing N atom(s) which is optionally substituted, a hydroxy group which is optionally substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, or cyano group,~~

~~_____ R² is a lower alkylamino group which is optionally substituted by an aryl group which is optionally substituted, a lower alkoxy group which is optionally substituted by an aryl group which is optionally substituted, a lower alkoxy group substituted by an aromatic heterocyclic ring containing N atom(s) which is optionally substituted, a lower alkylamino group substituted by a heterocyclic ring which is optionally substituted, or an amino group substituted by an aryl group which is optionally substituted,~~

~~_____ R³ is an aryl group which is optionally substituted, a heterocyclic ring containing N atom(s) which is optionally substituted, a lower alkyl group which is optionally substituted, a lower alkoxy group which is optionally substituted, a cyclo lower alkoxy group which is optionally substituted, a hydroxy group substituted by a heterocyclic ring~~

~~containing N atom(s) which is optionally substituted, an amino group which is optionally substituted,~~

~~provided that when R² is an amino group mono-substituted by methyl group substituted by an aryl group which is optionally substituted,~~

~~R³ is a lower alkyl group which is optionally substituted, an amino group mono-substituted by a lower alkyl group substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, an amino group mono-substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, or an amino group mono-substituted by a cycloalkyl group which is optionally substituted, R⁴ is a lower alkoxy group which is optionally substituted, an amino group which is optionally substituted, a hydroxy group which is optionally substituted by a heterocyclic ring containing N atom(s) which is optionally substituted, or cyano group.~~

6-7. (Cancelled)

8. (Currently Amended) The compound claimed in any of claims [[1-7]] 1, 4, or 5, wherein

R¹ is

(1) a lower alkoxy group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of a cyclo lower alkyl group, hydroxy group, a lower alkylamino group which is optionally protected, a lower alkoxy group, a hydroxy-substituted lower alkyl group, phenyl group, a lower alkoxyphenyl group, a hydroxy-substituted lower alkylphenyl group, a furyl group, a pyridyl group, a

lower alkoxy pyridyl group, a hydroxy-substituted lower alkyl pyridyl group, a lower alkyl pyridyl group, a pyrimidinyl group, a lower alkoxy pyrimidinyl group, and a morpholinyl group,

(2) a lower alkylamino group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of hydroxy group, a lower alkoxy group, a lower alkyl group, a pyridyl group, a lower alkylamino group, cyano group, a phenyl group which is optionally substituted by a lower alkoxy group and/or a halogen atom, and a hydroxy-substituted lower alkyl group,

(3) an indanylamino group,

(4) a heterocyclic ring containing N atom(s) which is optionally substituted by one to four, same or different, substituents selected from the group consisting of hydroxyl group, a lower alkyl group, a lower alkoxy group, a hydroxy-substituted lower alkyl group, oxo group, a pyridyl group which is optionally substituted by a hydroxy-substituted lower alkyl group, a pyrimidinyl group which is optionally substituted by a lower alkylamino group, formyl group, mesyl group, a lower alkanoyl group substituted by a hydroxy group which is optionally protected, and carbamoyl group,

(5) a hydroxy group which is optionally substituted by a pyridyl group, or

(6) a cyano group,

R² is

(1) a lower alkylamino group substituted by an aryl group which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a lower alkoxy group, a halogen atom, an amino group, a lower alkanoylamino group, a formylamino group, hydroxy group, a lower alkoxy pyridyl group,

a lower alkylamino group, nitro group, a halogeno-substituted lower alkyl group, a lower alkylenedioxy group, cyano group, a lower alkyl group substituted by a hydroxy group which is optionally protected, a lower alkylsulfonyl group, and a lower alkylsulfinyl group,

(2) a lower alkoxy group substituted by one to four, same or different, substituents selected from the group consisting of a lower alkoxy group and a halogen atom,

(3) a lower alkoxy group substituted by a pyridyl group,

(4) a lower alkylamino group substituted by an indolyl group, a pyrimidinyl group, a benzofuranyl group, a dihydrobenzofuranyl group, a lower alkylpyrimidinyl group, a dihydrobenzoxazolyl or a dihydrobenzimidazolyl group, or

(5) an indanylamino group,

R³ is

(1) an aryl group which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a lower alkoxy group and an lower alkylamino group, or an aryl group which is optionally substituted by one or two lower alkylenedioxy groups,

(2) a heterocyclic ring containing N atom(s) which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a lower alkyl group, hydroxy group, an amino group, chlorosulfinyloxy group and a piperidinyloxysulfinyloxy group,

(3) a lower alkyl group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of a morpholinyl group and a di-lower alkoxyphosphoryl group,

(4) a lower alkoxy group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of a pyridyl group, a lower alkoxypyridyl group, a pyrimidinyl group, a lower alkylamino group, a pyrazinyl group, a lower alkoxy group which is optionally substituted by phenyl group, a pyrimidinyl-substituted oxy group, a pyridyl-substituted oxy group, a pyrimidinyl-substituted lower alkoxy group, a morpholinyl group, a lower alkylmorpholinyl group, a N-lower alkyl-N-pyrimidinylamino group, a lower alkyl-dioxolanyl group, a lower alkoxy-substituted lower alkoxy group, a pyridylcarbonylamino group, hydroxy group, and a lower alkylpiperidyl group,

(5) a cyclo lower alkoxy group which is optionally substituted by hydroxy group,

(6) a piperidyl-substituted hydroxy group which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a pyrimidinyl group, a lower alkyl group and a cyano-substituted lower alkyl group, or

(7) an amino group which is optionally substituted by one or two, same or different, substituents selected from the group consisting of

(i) a lower alkoxy group which is optionally substituted by a lower alkoxy group,

(ii) a lower alkyl group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of cyano group, hydroxy group, a lower alkoxy group, a phenyl group which is optionally substituted by a lower alkoxy group and/or a halogen atom, carbamoyl group, a lower alkylamino group, a pyridyl group, a lower alkyl pyridyl group, a lower alkoxy pyridyl group, a pyrimidinyl group, a lower alkoxy pyrimidinyl group, a morpholinyl group, a lower alkyl morpholinyl group, a hydroxy-substituted lower alkyl morpholinyl group, a cyano-substituted lower

alkylmorpholinyl group, a hydroxy-substituted piperidyl group, an oxo-substituted piperazinyl group, a lower alkyl piperazinyl group, a lower alkylsulfonylpiperazinyl group, a pyrrolidinyl group, a lower alkylpyrrolidinyl group, a lower alkylpyrazinyl group, a tetrahydrofuranyl group, a lower alkoxy-pyridylamino group, and a pyrimidinylamino group,

(iii) a phenyl group which is optionally substituted by hydroxy group or a lower alkoxy group,

(iv) a pyridyl group which is optionally substituted by a lower alkyl group,

(v) a pyrazolyl group which is optionally substituted by a lower alkyl group,

(vi) an isoxazolyl group which is optionally substituted by a lower alkyl group,

(vii) a morpholinyl group,

(viii) a piperidyl group which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a lower alkoxycarbonyl group, a lower alkylsulfonyl group, a lower alkyl group, a cyano-substituted lower alkyl group, a hydroxy-substituted lower alkanoyl group, formyl group, a lower alkoxy-substituted lower alkanoyl group, and a lower alkylamino-substituted lower alkanoyl group,

(ix) a cyclo lower alkyl group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of a hydroxy group which is optionally protected, a lower alkoxy group, and a pyrimidinyl-substituted oxy group, and

(x) a pyrimidinylamino group which is optionally substituted by a lower alkyl group or a lower alkoxycarbonyl group, and

[[R⁴,] R⁵, R⁶-or-R⁷ is

(1) a phenyl group which is optionally substituted by a lower alkoxy group,

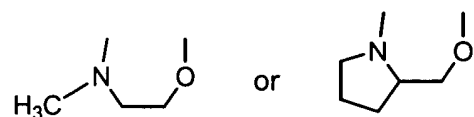
(2) a heterocyclic ring containing N atom(s) which is optionally substituted by hydroxy group, a lower alkyl group or a hydroxy-substituted lower alkyl group,

(3) a lower alkoxy group, or

(4) an amino group which is optionally substituted by a lower alkyl group substituted by a heterocyclic ring containing N atom(s), a hydroxy-substituted cyclo lower alkyl group, or a lower alkyl group, or

R^4, R^5, R^6 or R^7

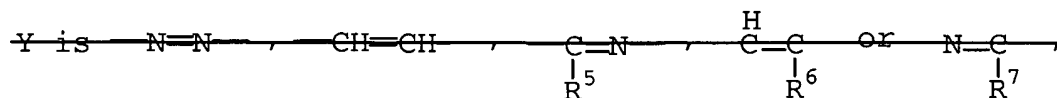
(5) R^5 optionally combines with R^3 to form a lactone ring as shown in the following formula;



9. (Cancelled)

10. (Currently Amended) The compound claimed in claim 4, wherein

~~X is -N-~~



R^1 is (1) a lower alkoxy group which is optionally substituted by a lower alkylamino group or a pyridyl group, (2) an amino group which is optionally substituted by hydroxy group or a lower alkoxy group, (3) a heterocyclic ring containing N atom(s) which is optionally substituted by hydroxy group, a lower alkoxy group, a lower alkyl group, a hydroxy-substituted lower alkyl group, oxo group, a pyridyl group which is

optionally substituted by a hydroxy-substituted lower alkyl group, or a pyrimidinyl group which is optionally substituted by a lower alkylamino group, or (4) a hydroxy group which is optionally substituted by a pyridyl group,

R^2 is a lower alkylamino group which is optionally substituted by a phenyl group which is optionally substituted by a lower alkoxy group and/or a halogen atom,

R^3 is (1) a lower alkoxy group which is optionally substituted by a phenyl-substituted lower alkoxy group, or (2) an amino group which is optionally substituted by (i) a lower alkyl group which is optionally substituted by the same or different substituents selected from a group consisting of a lower alkoxy group, a pyridyl group, a lower alkylpyridyl group, a pyrimidinyl group, a lower alkoxy pyrimidinyl group, a morpholinyl group, and a lower alkylpyrazinyl group, (ii) a pyridyl group which is optionally substituted by a lower alkyl group, or (iii) a cyclo lower alkyl group which is optionally substituted by hydroxy group, and

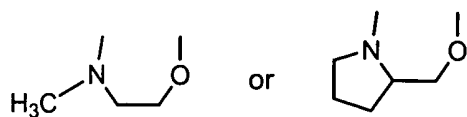
R^5 , ~~R^6~~ or R^7 is

(1) a phenyl group which is optionally substituted by a lower alkoxy group,
(2) a heterocyclic ring containing N atom(s) which is optionally substituted by a hydroxy group, a lower alkyl group or a hydroxy-substituted lower alkyl group,

(3) a lower alkoxy group, or

(4) an amino group which is optionally substituted by a lower alkyl group substituted by a heterocyclic ring containing N atom(s), a hydroxy-substituted cyclo lower alkyl group, or a lower alkyl group, or

(5) R^5 optionally combines with R^3 to form a lactone ring as shown in the following formula,



11. (Currently Amended) The compound claimed in claim 5, wherein

~~X is =N—~~,

~~Y is —CH=N— or —N=CH—~~,

R¹ is

(1) a lower alkoxy group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of a cyclo lower alkyl group, hydroxy group, a lower alkylamino group which is optionally protected, a lower alkylamino group, a lower alkoxy group, a hydroxy-substituted lower alkyl group, phenyl group, a lower alkoxyphenyl group, a hydroxy-substituted lower alkylphenyl group, a furyl group, a pyridyl group, a lower alkoxypyridyl group, a hydroxy-substituted lower alkylpyridyl group, a lower alkylpyridyl group, a pyrimidinyl group, a lower alkoxypyrimidinyl group, and a morpholinyl group,

(2) a lower alkylamino group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of hydroxy group, a lower alkoxy group, a lower alkyl group, a pyridyl group, a lower alkylamino group, cyano group, a phenyl group which is optionally substituted by a lower alkoxy group and/or a halogen atom, and a hydroxy-substituted lower alkyl group,

(3) an indanylamino group,

(4) a heterocyclic ring containing N atom(s) which is optionally substituted by one to four, same or different, substituents selected from the group consisting of

hydroxy group, a lower alkyl group, a lower alkoxy group, a hydroxy-substituted lower alkyl group, oxo group, a pyridyl group which is optionally substituted by a hydroxy-substituted lower alkyl group, a pyrimidinyl group which is optionally substituted by a lower alkylamino group, formyl group, mesyl group, a lower alkanoyl group substituted by a hydroxy group which is optionally protected, and carbamoyl group,

(5) a cyano group, or

(6) a hydroxyl group which is optionally substituted by a pyridyl group,

R^2 is

(1) a lower alkylamino group substituted by an aryl group which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a lower alkoxy group, a halogen atom, an amino group, a lower alkanoylamino group, a formylamino group, hydroxy group, a lower alkoxy pyridyl group, a lower alkylamino group, nitro group, a halogen-substituted lower alkyl group, a lower alkylenedioxy group, cyano group, a lower alkyl group substituted by a hydroxyl group which is optionally protected, a lower alkylsulfonyl group, and a lower alkylsulfinyl group,

(2) a lower alkylamino group substituted by an indolyl group, a pyrimidinyl group, a benzofuranyl group, a dihydrobenzofuranyl group, a lower alkylpyrimidinyl group, a dihydrobenzoxazolyl group or a dihydrobenzimidazolyl group, [[or]]

(3) an indanylamino group,

(4) a lower alkoxy group substituted by an aryl group which is optionally substituted by one to four, same or different, substituents selected from a lower alkoxy group and a halogen atom, or

(5) a lower alkoxy group substituted by a pyridyl group,

R³ is

(1) an aryl group which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a lower alkoxy group and a lower alkylamino group, or an aryl group which is optionally substituted by one or two lower alkylenedioxy groups,

(2) a heterocyclic ring containing N atom(s) which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a lower alkyl group, hydroxy group, an amino group, chlorosulfinyloxy group and a piperidyloxysulfinyloxy group,

(3) a lower alkyl group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of a morpholinyl group and a di-lower alkoxyphosphoryl group,

(4) a lower alkoxy group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of a pyridyl group, a lower alkoxy pyridyl group, a pyrimidinyl group, a lower alkylamino group, a pyrazinyl group, a lower alkoxy group which is optionally substituted by phenyl group, a pyrimidinyl-substituted oxy group, a pyridyl-substituted oxy group, a pyrimidinyl-substituted lower alkoxy group, a morpholinyl group, a lower alkylmorpholinyl group, a N-lower alkyl-N-pyrimidinylamino group, a lower alkyl dioxolanyl group, a lower alkoxy-substituted lower alkoxy group, a pyridylcarbonylamino group, hydroxy group, and a lower alkylpiperidyl group,

(5) a cyclo lower alkoxy group which is optionally substituted by hydroxyl group,

(6) a piperidyl-substituted hydroxy group which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a pyrimidinyl group, a lower alkyl group and a cyano-substituted lower alkyl group, or

(7) an amino group which is optionally substituted by one or two, same or different, substituents selected from the group consisting of

(i) a lower alkoxy group which is optionally substituted by a lower alkoxy group,

(ii) a lower alkyl group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of cyano group, hydroxy group, a lower alkoxy group, a phenyl group which is optionally substituted by a lower alkoxy group and/or a halogen atom, carbamoyl group, a lower alkylamino group, a pyridyl group, a lower alkylpyridyl group, a lower alkoxy pyridyl group, pyrimidinyl group, a lower alkoxy pyrimidinyl group, a morpholinyl group, a lower alkyl morpholinyl group, a hydroxy-substituted lower alkyl morpholinyl group, a cyano-substituted lower alkyl morpholinyl group, a hydroxy-substituted piperidyl group, an oxo-substituted piperazinyl group, a lower alkyl piperazinyl group, a lower alkylsulfonylpiperazinyl group, a pyrrolidinyl group, a lower alkyl pyrrolidinyl group, a lower alkyl pyrazinyl group, a tetrahydrofuranyl group, a lower alkoxy pyridylamino group, and a pyrimidinylamino group,

(iii) a phenyl group which is optionally substituted by hydroxy group or a lower alkoxy group,

(iv) a pyridyl group which is optionally substituted by a lower alkyl group,

(v) a pyrazolyl group which is optionally substituted by a lower alkyl group,

(vi) an isoxazolyl group which is optionally substituted by a lower alkyl group,

- (vii) a morpholinyl group,
- (viii) a piperidyl group which is optionally substituted by one to four, same or different, substituents selected from the group consisting of a lower alkoxycarbonyl group, a lower alkylsulfonyl group, a lower alkyl group, a cyano-substituted lower alkyl group, a hydroxy-substituted lower alkanoyl group, formyl group, a lower alkoxy-substituted lower alkanoyl group, and a lower alkylamino-substituted lower alkanoyl group,
- (ix) a cyclo lower alkyl group which is optionally substituted by one to three, same or different, substituents selected from the group consisting of a hydroxy group which is optionally protected, a lower alkoxy group, and a pyrimidinyl-substituted oxy group, and
- (x) a pyrimidinylamino group which is optionally substituted by a lower alkyl group or a lower alkoxycarbonyl group.

12-13. (Cancelled)

14. (Currently Amended) The compound claimed in ~~any one of claims 1-13~~ claim 1, wherein

an aryl group on R¹, R², R³, ~~[[R⁴,]]~~ or R⁵, R⁶ ~~or~~ R⁷ is a monocyclic, bicyclic or tricyclic 6-14 membered aryl group which may be partially saturated, or a heterocyclic ring containing N atom(s) on R¹, R³, ~~[[R⁴,]]~~ or R⁵, R⁶ ~~or~~ R⁷ is a monocyclic or bicyclic 5 to 14 membered heterocyclic containing N atom(s).

15. (Currently Amended) The compound claimed in claim 14, wherein the monocyclic, bicyclic or tricyclic 6-14 membered aryl group which may be partially saturated on R¹, R², R³, ~~[[R⁴,]]~~ or R⁵, ~~R⁶ or R⁷~~ is phenyl, naphthyl, indenyl or indanyl.

16. (Currently Amended) The compound claimed in claim 14, wherein the monocyclic or bicyclic 5 to 14 membered heterocyclic ring containing N atom(s) on R¹, R³, ~~[[R⁴,]]~~ or R⁵, ~~R⁶ or R⁷~~ is pyridyl, pyrimidinyl, imidazolyl, piperidyl, pyrazolyl, morpholinyl, piperazinyl, pyrrolidinyl, dihydroisoindolyl, tetrahydroimidazo[1,2-a]pyrazyl, tetrahydroisoquinolyl, dihydro-5H-pyrrolo[3,4-b]pyridyl, naphthylidinyl, pyrazo[3,4-d]pyridyl, tetrahydropyridyl, oxazolo[4,5-c]pyridyl, octahydropyrido[3,4-d]pyrimidinyl, thiazolo[4,5-d]pyridyl, imidazo[4,5-d]pyridyl, perhydrodiazepinyl, perhydropiperadino[3,4-c]piperadinyl, tetrahydroisoxazolo[4,5-c]pyridyl, hexahydropyrazolo[4,3-c]pyridyl, dihydropyridyl, tetrahydroxazolo[5,4-c]pyridyl, hexahydropyrido[3,4-d]pyrimidinyl, octahydropyrido[4,3-d]pyrimidinyl, tetrahydrothiazolo[5,4-c]pyridyl, imidazo[4,5-b]pyridyl, homopiperazinyl, perhydropyrazino[1,2-a]pyrazinyl, tetrahydropyrido[4,3-d]pyrimidinyl, tetrahydrothieno[3,2-c]pyridyl, or tetrahydronaphthylidinyl.

17. (Currently Amended) A pharmaceutical composition containing a compound claimed in ~~any one of claims 1-16~~ claim 1 or ~~[[its]]~~ a pharmacologically acceptable salt thereof as an active ingredient.

18. (Currently Amended) A method for treating ~~electile~~ erectile dysfunction, comprising administering to a patient in need thereof an effective amount of a compound claimed in ~~any one of claims 1-16~~ claim 1 or ~~[[its]]~~ a pharmacologically acceptable salt thereof.

19. (Currently Amended) A method for treating pulmonary hypertension, comprising administering to a patient in need thereof an effective amount of a compound claimed in ~~any one of claims 1-16~~ claim 1 or ~~[[its]]~~ a pharmacologically acceptable salt thereof

20. (Currently Amended) A method for treating diabetic gastroparesis comprising administering to a patient in need thereof an effective amount of a compound claimed in ~~any one of claims 1-16~~ claim 1 or ~~[[its]]~~ a pharmacologically acceptable salt thereof.

21-23. (Cancelled)